Pt. 175

PART 175—INDIRECT FOOD ADDI-TIVES: ADHESIVES AND COMPO-NENTS OF COATINGS

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AUTHORITY: 21 U.S.C. 321, 342, 348, 379e.

Source: 42 FR 14534, Mar. 15, 1977, unless otherwise noted.

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Subpart A [Reserved]

Subpart B—Substances for Use Only as Components of Adhesives

§ 175.105 Adhesives.

- (a) Adhesives may be safely used as components of articles intended for use in packaging, transporting, or holding food in accordance with the following prescribed conditions:
- (1) The adhesive is prepared from one or more of the optional substances named in paragraph (c) of this section, subject to any prescribed limitations.
- (2) The adhesive is either separated from the food by a functional barrier or

used subject to the following additional limitations:

- (i) In dry foods. The quantity of adhesive that contacts packaged dry food shall not exceed the limits of good manufacturing practice.
- (ii) In fatty and aqueous foods. (a) The quantity of adhesive that contacts packaged fatty and aqueous foods shall not exceed the trace amount at seams and at the edge exposure between packaging laminates that may occur within the limits of good manufacturing practice.
- (b) Under normal conditions of use the packaging seams or laminates will remain firmly bonded without visible separation.
- (b) To assure safe usage of adhesives, the label of the finished adhesive container shall bear the statement "foodpackaging adhesive".
- (c) Subject to any limitation prescribed in this section and in any other regulation promulgated under section 409 of the Act which prescribes safe conditions of use for substances that may be employed as constituents of adhesives, the optional substances used in the formulation of adhesives may include the following:
- (1) Substances generally recognized as safe for use in food or food packaging.
- (2) Substances permitted for use in adhesives by prior sanction or approval and employed under the specific conditions of use prescribed by such sanction or approval.
- (3) Flavoring substances permitted for use in food by regulations in this part, provided that such flavoring substances are volatilized from the adhesives during the packaging fabrication process.
- (4) Color additives approved for use in food.
- (5) Substances permitted for use in adhesives by other regulations in this subchapter and substances named in this subparagraph: *Provided*, *however*, That any substance named in this paragraph and covered by a specific regulation in this subchapter, must meet any specifications in such regulation.

Substances	Limitations
Abietic acid.	
Acetone.	
Acetone-formaldehyde condensate (CAS Reg. No. 25619–09–4).	
Acetone-urea-formaldehyde resin.	
N-Acetyl ethanolamine.	
Acetyl tributyl citrate. Acetyl triethyl citrate.	
2-Acrylamido-2-methyl-propanesulfonic acid, homopolymer, so-	
dium salt (CAS Reg. No. 35641-59-9).	
Albumin, blood.	
(2-Alkenyl) succinic anhydrides in which the alkenyl groups are derived from olefins which contain not less than 78 percent	
C ₃₀ and higher groups (CAS Reg. No. 70983–55–0).	
4-[2-[2-2-(Alkoxy (C ₁₂ -C ₁₅) ethoxy) ethoxy]ethyl] disodium sulfo-	
succinate. 1-Alkyl (C_6 - C_{18}) amino-3-amino-propane monoacetate.	
Alkylated (C ₄ and/or C ₈) phenols.	
Alkyl (C ₇ -C1 ₂) benzene.	
Alkyl (C ₁₀ -C ₂₀) dimethylbenzyl ammonium chloride.	F
n-Alkyl(C ₁₂ , C ₁₄ , C ₁₆ , or C ₁₈) dimethyl (ethylbenzyl) ammonium cyclohexylsulfamate.	For use as preservative only.
Alkyl ketene dimers as described in § 176.120 of this chapter.	
Alkyl (C ₇ -C ₁₂) naphthalene.	
alpha Olefin sulfonate [alkyl group is in the range of C ₁₀ -C ₁₈ with not less than 50 percent C ₁₄ -C ₁₆], ammonium, calcium,	
magnesium, potassium, and sodium salts.	
2-[(2-aminoethyl)amino]ethanol (CAS Reg. No. 111-41-1).	
3-Aminopropanediol	For use only in the preparation of polyurethane resins.
Aluminum. Aluminum acetate.	
Aluminum di(2-ethylhexoate).	
Aluminum potassium silicate.	
N-β-Aminoethyl- <i>gamma</i> -aminopropyl trimethoxysilane. 3-(Aminomethyl)-3,5,5-trimethylcyclohexylamine.	
Aminomethylpropanol.	
Ammonium benzoate	For use as preservative only.
Ammonium bifluoride	For use only as bonding agent for aluminum foil, stabilizer of preservative. Total fluoride from all sources not to exceed 1 percent by weight of the finished adhesive.
Ammonium borate.	
Ammonium citrate. Ammonium persulfate.	
Ammonium persuitate. Ammonium polyacrylate.	
Ammonium potassium hydrogen phosphate.	
Ammonium silico-fluoride	For use only as bonding agent for aluminum foil, stabilizer, or preservative. Total fluoride from all sources not to exceed percent by weight of the finished adhesive.
Ammonium sulfamate.	
Ammonium thiocyanate.	
Ammonium thiosulfate. Amyl acetate.	
Anhydroenneaheptitol.	
Animal glue as described in § 178.3120 of this chapter.	
2-Anthraquinone sulfonic acid, sodium salt	For use only as polymerization-control agent.
Asbestos.	
Asphalt, paraffinic and naphthenic.	
Azelaic acid.	
Azo-bis-isobutyronitrile. Balata rubber.	
Barium acetate.	
Barium peroxide.	
Barium sulfate. Bentonite.	
Benzene (benzol).	
1,4-Benzenedicarboxylic acid, bis[2-(1,1-dimethylethyl)-6-[[3-	For use as a stabilizer.
(1,1-dimethylethyl)-2-hydroxy-5-methylphenyl]methyl]-4-meth-	
yl-phenyl]ester (CAS Reg. No. 57569-40-1).	For use as preservative only.
1 2-Benzisothiazolin-3-one (CAS Registry No. 2634-33-5)	i . o. acc ac procervative erry.
1,2-Benzisothiazolin-3-one (CAS Registry No. 2634-33-5) Benzothiazyldisulfide.	•
	For use as preservative only.

Substances	Limitations
Benzyl benzoate.	
Benzyl bromoacetate	For use as preservative only.
p-Benzyloxyphenol	Do.
BHA (butylated hydroxyanisole). BHT (butylated hydroxytoluene).	
Bicyclo[2.2.1]hept-2-ene-6-methyl acrylate.	
2-Biphenyl diphenyl phosphate.	
Bis(benzoate- <i>O</i>)(2-propanolato)aluminum (CAS Reg. No. 105442–85–1).	For use only as a reactant in the preparation of polyester resins.
1,2-Bis(3,5-di- <i>tert</i> -butyl-4-hydroxyhydrocinnamoyl)hy-drazine (CAS Reg. No. 32687–78–8). 1,3-Bis(2-benzothiazolylmercaptomethyl) urea.	For use at a level not to exceed 2 percent by weight of the adhesive.
4,4'-Bis(α , α -dimethylbenzyl)diphenylamine.	
2,6-Bis(1,1-dimethylethyl)-4-(1-methylpropyl)phenol (CAS Reg. No. 17540–75–9).	For use as an antioxidant and/or stabilizer only.
2,6-Bis (1-methylheptadecyl)-p-cresol.	
4-[[4, 6-Bis(octylthio)6-Bis(octylthio)6-Bis(octylthio)-s-triazin-2-	
yl]amino]-2,6-di- <i>tert</i> -butylphenol (CAS Reg. No. 991–84–4).	
Bis(tri-n-butyltin) oxide	For use as preservative only.
Bis(trichloromethyl)sulfone C.A. Registry No. 3064–70–8	Do.
Borax. Boric acid.	
2-Bromo-2-nitro-1, 3-propanediol (CAS Reg. No. 52–51–7)	For use only as an antibacterial preservative.
Butanedioic acid, sulfo-1,4-di-(C ₉ -C ₁₁ alkyl) ester, ammonium salt (also known as butanedioic acid, sulfo-1,4-diisodecyl	For use as a surface active agent in adhesives.
ester, ammonium salt [CAS Reg. No. 144093–88–9])	
1,3-Butanediol.	
1,4-Butanediol.	
1,4-Butanediol modified with adipic acid.	
Butoxy polyethylene polyproplyene glycol (molecular weight	
900–4,200).	
Butyl acetate.	
Butyl acetyl ricinoleate. Butyl alcohol.	
Butylated reaction product of <i>p</i> -cresol and dicyclopentadiene	As identified in § 178.2010(b) of this chapter.
Butylated, styrenated cresols identified in §178.2010(b) of this chapter.	
Butyl benzoate.	
Butyl benzyl phthalate.	
Butyldecyl phthalate	
1,3-Butylene glycoldiglycolic acid copolymer.	
tert-Butyl hydroperoxide.	
4,4'-Butylidenebis(6-tert-butyl-m-cresol). Butyl lactate.	
Butyloctyl phthalate.	
p-tert-Butylphenyl salicylate.	
Butyl phthalate butyl glycolate.	
p-tert-Butylpyrocatechol	For use only as polymerization-control agent.
Butyl ricinoleate.	
Butyl rubber polymer.	
Butyl stearate.	
Butyl titanate, polymerized. Butyraldehyde.	
Calcium ethyl acetoacetate.	
Calcium nitrate.	
Calcium metasilicate.	
Camphor.	
Camphor fatty acid esters.	
Candelilla wax. epsilon-Caprolactam-(ethylene-ethyl acrylate) graft polymer.	
Carbon black, channel process.	
Carbon disulfide-1,1'-methylenedipiperidine reaction product. Carbon tetrachloride.	
Carboxymethylcellulose.	
Castor oil, polyoxyethylated (4–84 moles ethylene oxide).	
Cellulose acetate butyrate.	
Cellulose acetate propionate.	
Ceresin wax (ozocerite).	
Cetyl alcohol.	
Chloral hydroto	
Chloral hydrate. Chlorinated liquid n -paraffins with chain lengths of C_{10} - C_{17} ,	
containing 40–70 percent chlorine by weight.	
sometimes by weight.	•

Substances	Limitations
Chlorinated pyridine mixture with active ingredients consisting of 2,3,5,6-tetrachloro-4-(methylsulfonyl) pyridine, 2,3,5,6-tetrachloro-4-(methylsulfinyl) pyridine and pentachloropyridine. Chlorinated rubber polymer (natural rubber polymer containing approximately 67 percent chlorine).	For use as preservative only.
1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride Chlorobenzene.	For use as preservative only.
4-Chloro-3,5-dimethylphenol (<i>p</i> -chloro- <i>m</i> -xylenol)4-Chloro-3-methylphenol	For use as preservative only. Do.
5-Chloro-2-methyl-4-isothiazolin-3-one (CAS Reg. No. 26172–55-4) and 2-methyl-4-isothiazolin-3-one (CAS Reg. No. 2682–20-4) mixture at a ratio of 3 parts to 1 part, manufactured from methyl-3-mercaptopropionate (CAS Reg. No. 2935–90-2). The mixture may contain magnesium nitrate (CAS Reg. No. 10377–60-3) at a concentration equivalent to the isothiazolone active ingredients (weight/weight). Chloroform.	For use only as an antimicrobial agent in polymer latex emulsions.
Chromium caseinate.	
Chromium nitrate. Chromium potassium sulfate.	
Cobaltous acetate.	
Coconut fatty acid amine salt of tetrachlorophenol	For use as preservative only.
Copper 8-quinolinolate Coumarone-indene resin.	For use as preservative only.
Cresyl diphenyl phosphate.	
Cumene hydroperoxide. Cyanoguanidine.	
Cyclized rubber as identified in § 176.170(b)(2) of this chapter. Cyclohexane.	
1,4-Cyclohexanedimethanoldibenzoate (CAS Reg. No. 35541–81–2).	
Cyclohexanol. Cyclohexanone resin.	
Cyclohexanone-formaldehyde condensate.	
N-Cyclohexyl p-toluene sulfonamide. (η ⁵ -Cyclopentadienyl)-(η ⁶ -isopropylbenzene)iron(II) hexafluorophosphate (CAS Reg. No. 32760–80–8).	For use only as a photoinitiator.
Damar.	
Defoaming agents as described in § 176.210 of this chapter. Dehydroacetic acid	
Diacetone alcohol. Diacetyl peroxide.	
N,N'-Dialkoyl-4,4'-diaminodiphenylmethane mixtures where; the	
alkoyl groups are derived from marine fatty acids (C_{12} - C_{24}). 2,5-Di- <i>tert</i> -amylhydroquinone.	
Diamines derived from dimerized vegetable oil acids. Diaryl-p-phenylenediamine, where the aryl group may be phenyl, tolyl, or xylyl.	
1,2-Dibromo-2,4-dicyanobutane (CAS Registry No. 3569-65-7).	For use as a preservative only.
7). 2,2-Dibromo-3-nitrilopropionamide (CAS Reg. No. 10222–01–2)	For use as a preservative only.
Di(butoxyethyl) phthalate.	
2,5-Di- <i>tert</i> -butylhydroquinone. Dibutyl maleate.	
2,6-Di-tert-butyl-4-methylphenol	For use as preservative only.
$Di(C_7, C_9$ -alkyl)adipate. Dibutyl phthalate.	
Dibutyl sebacate. Dibutyltin dilaurate for use only as a catalyst for polyurethane	
resins. 1,2-Dichloroethylene (mixed isomers).	
Dicumyl peroxide. Dicyclohexyl phthalate.	
Diethanolamine.	
Diethanolamine condensed with animal or vegetable fatty acids. Diethylamine.	
Diethylene glycol. Diethylene glycol adipic acid copolymer.	
Diethylene glycol dibenzoate.	
Diethylene glycol hydrogenated tallowate monoester. Diethylene glycol laurate.	

Substances	Limitationa
Substances	Limitations
Diethylene glycol monobutyl ether.	
Diethylene glycol monobutyl ether acetate. Diethylene glycol monoethyl ether.	
Diethylene glycol monoethyl ether acetate.	
Diethylene glycol monomethyl ether.	
Diethylene glycol monooleate.	
Diethylene glycol monophenyl ether.	
Diethylene glycol copolymer of adipic acid and phthalic anhy-	
dride. Di(2-ethylhexyl) adipate.	
Di(2-ethylhexyl)hexahydrophthalate.	
Di(2-ethylhexyl)phthalate.	
Diethyl oxalate.	
Diethyl phthalate.	
Dihexyl phthalate. Dihydroabietylphthalate.	
Di(2-hydroxy-5-tert-butylphenyl) sulfide.	
2,2'-Dihydroxy-5,5'-dichlorodiphenylmethane (dichlorophene).	
4,5-Dihydroxy-2-imidazolidinone.	
4-(Diiodomethylsulfonyl) toluene CA Registry No.: 20018-09-	For use as an antifungal preservative only.
01. Diisobutyl adipate.	
Diisobutyl ketone.	
Diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chlo-	
ride.	
Diisobutyl phthalate.	
Diisodecyl adipate. Diisodecyl phthalate.	
Diisooctyl phthalate.	
Diisopropylbenzene hydroperoxide.	
N,N-Dimethylcyclohexylamine dibutyldithiocarbamate.	
Dimethyl formamide.	
Dimethyl hexynol. 2,2-Dimethyl-1,3-propanediol dibenzoate.	
Dimethyl octynediol.	
N-(1,1-dimethyl-3-oxobutyl) acrylamide.	
Dimethyl phthalate.	
3,5-Dimethyl-1,3,5,2 <i>H</i> -tetrahydrothiadiazine-2-thione	For use as preservative only.
Di-β-naphthyl- <i>p</i> -phenylenediamine.	
4,6-Dinonyl-o-cresol. Dinonylphenol.	
Di-n-octyldecyl adipate.	
Dioctyldiphenylamine.	
Dioctylphthalate.	
Dioctylsebacate. Dioxane.	
Dipentaerythritol pentastearate.	
Dipentamethylene-thiuram-tetrasulfide.	
Dipentene	
Dipentene resins.	
Dipentene-beta-pinene-styrene resins. Dipentene-styrene resin (CAS Registry No. 64536–06–7).	
Diphenyl-2-ethylhexyl phosphate.	
Diphenyl, hydrogen ated.	
N,N'-Diphenyl-p-phenylenediamine.	
Diphenyl phthalate.	
1,3-Diphenyl-2-thiourea.	
Dipropylene glycol. Dipropylene glycol dibenzoate.	
Dipropylene glycol monomethyl ether.	
Dipropylene glycol copolymer of adipic acid and phthalic anhy-	
dride.	
Disodium cyanodithioimidocarbonate.	
Disodium 4-isodecyl sulfosuccinate (CAS Reg. No. 37294–49–8).	
o). N,N'-Distearoylethylenediamine.	
Distearyl thiodipropionate.	
3,5-Di-tert-butyl-4-hydroxyhydrocinnamic acid triester with	For use as antioxidant only.
1,3,5-tris(2-hydroxyethyl)-s-triazine-2,4,6(1 <i>H</i> , 3 <i>H</i> , 5 <i>H</i>)-trione.	
4,4'-Dithiodimorpholine. n-Dodecylmercaptan.	
tert-Dodecvimercaptan.	
Dodecylphenoxybenzene-disulfonic acid and/or its calcium,	
magnesium, and sodium salts.	

Substances	Limitations
Elemi gum.	
Epichlorohydrin-4,4'-isopropylidenediphenol resin.	
Epichlorohydrin-4,4'-sec-butylidenediphenol resin.	
Epichlorohydrin-4,4'-isopropylidene-di-o-cresol resin.	
Epichlorohydrin-phenolformaldehyde resin.	
Erucamide (erucylamide).	
Ethanolamine.	
Ethoxylated primary linear alcohols of greater than 10 percent	
ethylene oxide by weight having molecular weights of 390 to	
Ethoxypropanol butyl ether.	
Ethyl alcohol (ethanol).	
5-Ethyl-1,3-diglycidyl-5-methylhydantoin (CAS Reg. No. 15336-	
82–0).	
Ethylene-acrylic acid-carbon monoxide copolymer (CAS Reg.	
No. 97756–27–9).	
Ethylene-acrylic acid copolymer, partial sodium salt containing	
no more than 20 percent acrylic acid by weight, and no more	
than 16 percent of the acrylic acid as the sodium salt (CAS	
Reg. No. 25750–82–7).	
Ethylenediamine.	
Ethylenediaminetetra-acetic acid, calcium, ferric, potassium, or	
sodium salts, single or mixed.	
Ethylene dichloride.	
Ethylene glycol.	
Ethylene glycol monobutyl ether.	
Ethylene glycol monobutyl ether acetate.	
Ethylene glycol monoethyl ether.	
Ethylene glycol monoethyl ether acetate.	
Ethylene glycol monoethyl ether ricinoleate.	
Ethylene glycol monomethyl ether.	
Ethylene glycol monophenyl ether.	
Ethylene-carbon monoxide copolymer (CAS Reg. No. 25052-	
62-4) containing not more than 30 weight percent of the	
units derived from carbon monoxide.	
Ethylene-maleic anhydride copolymer, ammonium or potassium	
salt.	
Ethylene-methacrylic acid copolymer partial salts: Ammonium,	
calcium, magnesium, sodium, and/or zinc.	
Ethylene-methacrylic acid-vinyl acetate copolymer partial salts:	
Ammonium, calcium, magnesium, sodium, and/or zinc.	
Ethylene-octene-1 copolymers containing not less than 70	
weight percent ethylene (CAS Reg. No. 26221–73–8).	
Ethylene-propylene-dicyclopentadiene copolymer rubber.	
Ethylene, propylene, 1,4-hexadiene and 2,5-norbornadiene	
tetrapolymer.	
Ethylene-vinyl acetate carbon monoxide terpolymer (CAS Reg-	
istry No. 26337-35-9) containing not more than 15 weight	
percent of units derived from carbon monoxide.	
2,2'-Ethylidenebis (4,6-di- <i>tert</i> -butylphenol) (CAS Reg. No.	
35958–30–6).	
Ethyl-p-hydroxybenzoate	For use as preservative only.
Ethyl hydroxyethylcellulose.	
Ethyl lactate.	
	For use as an entire ident and/or stabilines only
2,2'-Ethylidenebis(4,6-di- <i>tert</i> -butylphenyl)fluorophosphonite	For use as an antioxidant and/or stabilizer only.
(CAS Reg. No. 118337–09–0).	
Ethyl phthalyl ethyl glycolate.	
Ethyl-p-toluene sulfonamide	
Fats and oils derived from animal or vegetable sources, and	
the hydrogenated, sulfated, or sulfonated forms of such fats	
and oils.	
Fatty acids derived from animal or vegetable fats and oils; and	
salts of such acids, single or mixed, as follows:	
Aluminum.	
Ammonium.	
Calcium.	
Calcium. Magnesium	
Magnesium.	
Magnesium. Potassium.	
Magnesium. Potassium. Sodium.	
Magnesium. Potassium. Sodium. Zinc.	
Magnesium. Potassium. Sodium. Zinc. Ferric chloride.	
Magnesium. Potassium. Sodium. Zinc.	For use only as bonding agent for aluminum foil, stabilizer, or preservative. Total fluoride from all sources not to exceed

Substances	Limitations
Formaldehyde.	
Formaldehyde <i>o</i> - and <i>p</i> -toluene sulfonamide.	
Formamide.	
Fumaratochromium (III) nitrate.	
Furfural.	
Furfuryl alcohol. Fumaric acid.	
gamma-Aminopropyltrimethoxysilane (CAS Reg. No. 13822-	
56–5). Glutaraldehyde.	
Glycerides, di- and monoesters.	
Glycerol polyoxypropylene triol, minimum average molecular	For use only in the preparation of polyester and polyurethane
weight 250 (CAS Reg. No. 25791-96-2).	resins in adhesives.
Glyceryl borate (glycol boriborate resin).	
Glyceryl ester of damar, copal, elemi, and sandarac. Glyceryl monobutyl ricinoleate.	
Glyceryl monohydroxy stearate.	
Glyceryl monohydroxy tallowate.	
Glyceryl polyoxypropylene triol (average molecular weight	
1,000).	
Glyceryl tribenzoate. Glycol diacetate.	
Glyoxal.	
Heptane.	
Hexamethylenetetramine.	
Hexane.	
Hexanetriols. Hexylene glycol.	
Hydroabietyl alcohol.	
Hydrocarbon resins (produced by polymerization of mixtures of	
mono- and di-unsaturated hydrocarbons of the aliphatic, ali-	
cyclic, and monobenzenoid type derived both from cracked	
petroleum and terpene stocks) (CAS Reg. No. 68239–99–6).	
Hydrocarbon resins (produced by the polymerization of styrene and <i>alpha</i> -methyl styrene), hydrogenated (CAS Reg. No.	
68441–37–2).	
Hydrofluoric acid	For use only as bonding agent for aluminum foil, stabilizer, or
	preservative. Total fluoride from all sources not to exceed 1
Lludronon novovido	percent by weight of the finished adhesive.
Hydrogen peroxide. Hydrogenated dipentene resin (CAS Reg. No. 106168–39–2).	
Hydrogenated dipentene-styrene copolymer resin (CAS Reg.	
No. 106168–36–9).	
Hydrogenated-beta-pinene-alpha-pinene-dipentene copolymer	
resin (CAS Reg. No. 106168–37–0).	
a-Hydro-omega-hydroxypoly-(oxytetramethylene)	For use only in the preparation of polyurethane resins.
Hydroquinone monobenzyl ether.	
Hydroquinone monoethyl ether.	
2(2'-Hydroxy-3',5' di-tert-amylphenyl) benzotriazole.	
Hydroxyacetic acid.	
7-Hydroxycoumarin. Hydroxyethylcellulose.	
2–Hydroxy-1-[4-(2-hydroxyethoxy)phenyl]-2-methyl-1-	For use only as a photoinitiator at a level not to exceed 5 per-
propanone(CAS Reg. No. 106797–53–9).	cent by weight of the adhesive.
1-(2-Hydroxyethyl)-1-(4-chlorobutyl)-2 alkyl (C ₆ -C ₁₇)	
imidazolinium chloride.	
Hydroxyethyldiethylenetriamine. β-Hydroxyethyl pyridinium 2-mercaptobenzothiazol.	
Hydroxyethyl starch.	
Hydroxyethylurea	
Hydroxylamine sulfate.	
5-Hydroxymethoxymethyl-1-aza-3,7-dioxabicyclo[3.3.0]octane,	For use only as an antibacterial preservative.
5-hydroxymethyl-1-aza-3,7-dioxabicyclo[3.3.0]octane, and 5-	
hydroxypoly-[methyleneoxy]methyl-1-aza-3,7- dioxabicvclo[3,3,0] octane mixture.	
Hydroxypropyl methylcellulose.	
2-(Hydroxymethyl)-2-methyl-1,3-propanediol tribenzoate.	
2-Imidazolidinone.	
3-lodo-2-propynyl-N-butyl carbamate (CAS Reg. No. 55406-	For use only as an antifungal preservative.
53–6). Indeform	For use only so polymerization sentral areas
lodoform	For use only as polymerization-control agent.
Isobutyl alcohol (isobutanol).	
,	

Substances	Limitations
Isobutylene-isoprene copolymer. Isodecyl benzoate (CAS Reg. No. 131298–44–7). Isophorone. Isopropanolamine (mono-, di-, tri-). Isopropyl acetate. Isopropyl alcohol (isopropanol). Isopropyl-m- and p-cresol (thymol derived). 4,4'-Isopropylidenediphenol. 4,4'-Isopropylidenediphenol, polybutylated mixture Isopropyl peroxydicarbonate. p-Isopropoxy diphenylamine. 4,4'-Isopropylidene-bis(p-phenyleneoxy)-di-2-propanol. Itaconic acid. Japan wax. Kerosene. Lauroyl peroxide. Lauroyl sulfate salts:	For use as preservative only.
Ammonium. Magnesium. Potassium. Sodium. Lauryl alcohol. Lauryl pyridinium 5-chloro-2-mercaptobenzothiazole. Lignin calcium sulfonate. Lignin sodium sulfonate. Linoleamide (linoleic acid amide). Magnesium fluoride	For use only as bonding agent for aluminum foil, stabilizer, or preservative. Total fluoride from all sources not to exceed 1 percent by weight of the finished adhesives.
Magnesium glycerophosphate. Maleic acid. Maleic anhydride-diisobutylene copolymer, ammonium or sodium salt. Manganese acetate. Marine oil fatty acid soaps, hydrogenated. Melamine. Melamine-formaldehyde copolymer. 2-Mercaptobenzothiazole. 2-Mercaptobenzothiazole and dimethyl dithiocarbamic acid mix-	For use as preservative only.
ture, sodium salt. 2-Mercaptobenzothiazole, sodium or zinc salt Methacrylate-chromic chloride complex, ethyl or methyl ester. p-Menthane hydroperoxide. Methyl acetate. Methyl acetyl ricinoleate. Methyl alcohol (methanol).	For use as preservative only.
Methylcellulose. Methylene chloride. 4,4"-Methylenebis(2,6-di-tert-butylphenol). 2,2-Methylenebis (4-ethyl-6-tert-butylphenol). 2,2-Methylenebis (4-methyl-6-nonylphenol). 2,2-Methylenebis (4-methyl-6-tert-butylphenol). Methyl ethyl ketone.	
Methyl ethyl ketone-formaldehyde condensate. 2-Methyl-e-hydroxy-4-isopropyl benzene. Methyl isobutyl ketone. Methyl oleate. Methyl oleate-palmitate mixture. Methyl phthalyl ethyl glycolate.	
Methyl ricinoleate. Methyl salicylate. a-Methylstyrene-vinyltoluene copolymer resins (molar ratio 1 a methylstyrene to 3 vinyltoluene). Methyl tallowate. Mineral oil. Monochloracetic acid.	
Monooctyldiphenylamine. Montan wax. Morpholine. Myristic acid-chromic chloride complex. Myristyl alcohol. Naphtha. Naphthalene, monosulfonated.	

ethanediyl)], (alternative name: epichlorohydrin-polypropylene glycol) (CAS Reg. No. 26142–30–3). 2,2'-[oxybis]((methyl-2,1-ethanediyl)-oxymethylene]]bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 41638–13–5). 7-Oxydiethylene-benzothiazole. Palmitamide (palmitic acid amide). Paraffin (C ₁₂ -C ₂₀) sulfonate. Paraformaldehyde. Pentacythritol ester of maleic anhydride. Pentaerythritol tetrabenzoate [CAS Registry No. 4196–86–5]. Pentaerythritol tetrabenzoate [CAS Registry No. 4196–86–5]. Pentaerythritol tetrabenzoate (CAS Reg. No. 140–01–2). Perchloroethylene. Petroleum hydrocarbon resin (cyclopentadiene type), hydrogenated. Petroleum hydrocarbon resin (produced by the catalytic polymerization and subsequent hydrogenation of styrene, vinyltoluene, and indene types from distillates of cracked petroleum stocks). Petroleum hydrocarbon resins (produced by the homo-and copolymerization of dienes and olefins of the aliphatic, alicyclic, and monobenzenoid arylalkene types from distillates of cracked petroleum stocks). Phenol	Substances	Limitations
« λα σ' α'	Naphthalene sulfonic acid-formaldehyde condensate, sodium	
x. x		
(axypropylene) (1–2 moles)], average molecular weight 400. Nitric acid. pi-Nitrobjhenyl. Nitricoellulose. 2-Nitropropane. acp-Nonylphenyl-omega-hydroxypoly (oxyethylene) mixture of diriydrogen phosphate and monohydrogen phosphate seters, the nonly group is a propylene timer isomer and the poly (oxyethylene) content averages 6–9 moles or 50 moles. Molecular development of the poly (oxyethylene) content averages 6–9 moles or 50 moles. Acp-Nonylphenyl-omega-hydroxypoly (oxyethylene) group is a propylene timer isomer and the poly (oxyethylene) content averages 9 or 30 moles. Acp-Nonylphenyl-omega-hydroxypoly (oxyethylene) sulfate, ammonium satt the nonly group is a propylene timer isomer and the poly (oxyethylene) content averages 9 or 30 moles. Acp-Nonylphenyl-omega-hydroxypoly (oxyethylene); the cotadecenyl-omene-2-3-dicatopylic analytic of moles) alcohol and the poly (oxyethylene) content averages 20 moles. Catadeoy (3–5-far-butyl-4-hydroxyphydrocinnamate. Cityl alcohol. Cityl devel phthalate. Cityl phenologylethoxy-polypropoxyethanol (13 moles of ethylene oxide and propylene oxide). Cotylphenolylethoxy-polypropoxyethanol. Cityl devel phthalate. Cityl phenologylethoxy-polypropoxyethanol. Cityl devel phthalate. Cityl phenologylethoxy-polypropoxyethylenel phylogylethoxy-polypropoxyethylenel p		
Nitricealiduses.		
ji-Nitropiphenyl. Nitrocellulose. 2-Nitropropane. (-Nonylphenyl)-omega-hydroxypoly (oxyethylene) mixture of diflydrogen phosphate and monohydrogen phosphate seters; the nonly group is a propylene trimer isomer and the poly (oxyethylene) content averages 6-9 moles or 50 moles.		
2-Nitropropane. ""> "(»Ponyliphenyl)-omega-hydroxypoly (oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate esters; the nonly group is a propylene trimer isomer and the poly (oxyethylene) content averages 6-9 moles or 50 moles. "(»Ponyliphenyl)-omega-hydroxypoly (oxyethylene) produced by the condensation of 1 mole of p-nonlyphenol (nonyl group is a propylene trimer isomer with an average of 1-40 moles of ethylene oxide. ""> "(»Ponyliphenyl)-omega-hydroxypoly (oxyethylene) sulfate, ammonium satt: the nonly group is a propylene trimer isomer and the poly (oxyethylene) content averages 9 or 30 moles. ""> ""> ""> ""> ""> ""> ""> ""> ""> "		
α-(p-Non/phenyl)-omega-hydroxypoly (oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate seters; the nonyl group is a propylene trimer isomer and the poly (oxyethylene) content averages 6-9 moles or 50 moles. α(p-Non/phenyl)-omega-hydroxypoly (oxyethylene) produced by the condensation of 1 mole of p-nonyhlene) (nonyl group is a propylene trimer isomer) with an average of 1-40 moles of ethylene oxide. α-(p-Non/phenyl)-omega-hydroxypoly (oxyethylene) sulfate, ammonium salt: the nonyl group is a propylene trimer isomer and the poly (oxyethylene) content averages 9 or 30 moles. α-(p-Non/phenyl)-omega-hydroxypoly (oxyethylene); the cotadecenyl-omega-hydroxypoly (oxyethylene)		
dihydrogen phosphate and monohydrogen phosphate esters; the nonly group is a propylene trimer isomer and the poly (oxyethylene) content averages 6-9 moles or 50 moles. «Q-Nonylphenyl)-omega-hydroxypoly (oxyethylene) produced by the condensation of 1 mole of p-nonylphenol (nonyl group is a propylene trimer isomer) with an average of 1-40 moles of ethylene oxide. «Q-Nonylphenyl)-omega-hydroxypoly (oxyethylene) sulfate, ammonium salt: the nonyl group is a propylene trimer isomer and the poly (oxyethylene) content averages 9 or 30 moles. «ndo-ois-5-Nothornene-2,3-dicarboxylic anhydride. «cis-9-Octadecnyl-omega-hydroxypoly (oxyethylene); the octadecenyl group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles. Octadecyl 3,5-di-farf-butyl-4-hydroxyhydrocinnamate. Octylalenol. Octylphenoxypothenoxy-polypropoxyethanol. Octylphenoxypothyloxypolyloxypoxyethyloxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypoxypolyloxypo		
the nonyl group is a propylene trimer isomer and the poly (oxyethylene) content averages 6-9 moles or 50 moles. dip-Nonylphenyl)-omega-hydroxypoly (oxyethylene) produced by the condensation of 1 mole of p-nonyhlphenol (nonyl group is a propylene trimer isomer) with an average of 1-40 moles of ethylene oxide. di-(p-Nonylphenyl)-omega-hydroxypoly (oxyethylene) sulfate, ammonium satt: the nonyl group is a propylene trimer isomer and the poly (oxyethylene) content averages 9 or 30 moles. endo-ca-5-6-hotromene-2-3-dicarboxylic anhydride. di-ca-6-9-Cotadecenyl-omega-hydroxypoly (oxyethylene); the octadecenyl group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles. Cotadecyl 3-5-di-tert-butyl-4-hydroxyhydrocinnamate. Cotylphenoxyethanols. Cotylphenoxyethano		
(oxyethylene) content averages 6-9 moles or 50 moles. (dp-Nonylphenyl)-omage4-hydroxypoly (oxyethylene) produced by the condensation of 1 mole of p-nonlybhenol (nonyl group is a propylene trimer isomer) with an average of 1-40 moles of ethylene oxide. (a-(p-Nonlybhenyl)-omage4-hydroxypoly (oxyethylene) sulfate, ammonium salt: the nonyl group is a propylene trimer isomer and the poly (oxyethylene) content averages 9 or 30 moles. endo-cis-5-Nothornene-23-dicarboxylic anhydride. **cris-9-Octadecnyl-omage4-hydroxypoly (oxyethylene); the octadecenyl group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles. Octadecenyl 3,5-di-lert-butyl-4-hydroxyhydrocinnamate. Octyl alcohol. Octylphenoxygethanols. Octylphenoxygethanols. Octylphenoxygethanols. Octylphenoxygethanols. Octylphenoxygethanols. Octylphenoxygethanols. Oleamide (oleic acid amide). Oleic acid, sulfated. 2,2'-Oxmidobis[ethyl profocarbons. Oleamide (oleic acid amide). Okaroline. **crioxianylmethyl-o-(oxiranylmethoxy)poly(oxy(methyl-1,2- ethanediyl)], (alternative name: epichlorohydrin-polypropylene glycol) (CAS Reg. No. 2614-29-3-3). 2,2'-(oxybis[(methyl-2,1-ethanediyl))-oxymethylene]bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 41638-13-5). **noxydiethylene-benzothiazole. Palmitamide (palmitic acid amide). Parafafin (Ci_2-Ci_3) sulfonate. Parafafin (Ci_2-Ci_3) sulfonate. Parafafin (Ci_2-Ci_3) sulfonate. Pentaerythritol etarsalerate. **Pentaerythritol monostearate **noxydiethylene-benzothiazole. Pentaerythritol monostearate **Pentaerythritol monostearate **Oxerothylene-benzothiazole Pentaerythritol monostearate **Nox 140-01-2). Pertolacum hydrocarbon resin (cyclopentadiene type), hydro- genated. Petrolacum hydrocarbon resin (produced by the catalytic polymerization and subsequent hydrogenation of styrene, vinyllouene, and indene types from distillates of cracked petroleum hydrocarbon resins (produced by the homo-and co- polymerization of dienes and olefins of		
by the condensation of 1 mole of p-nonylphenol (nonyl group is a propylene trimer isomer) with an average of 1–40 moles of ethylene oxide. «(p-Nonylphenyl)-omega-hydroxypoly (oxyethylene) sulfate, ammonium salt: the nonyl group is a propylene trimer isomer and the poly (oxyethylene) content averages 9 or 30 moles. endo-cis-5-Norbornene-2.3-dicarboxylic anthydride. excis-9-Octadecnyl-omega-hydroxypoly (oxyethylene); the octadecenyl group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles. Octadecyl 3,5-di-ter/butyl-4-hydroxyhydrocinnamate. Octylphenoxyethanols. Octylphenoxyethanols. Octylphenoxyethanols. Octylphenoxyethanols. Odorless light petroleum hydrocarbons. Oleamide (oleic acid amide). Oleica acid, sulfated. 2,2-Oxamidoloslethyl 3-(3,5-di-ter/butyl-4-hydroxyphenylpropionate) (CAS Reg. No. 70331–94-1). Oxazoline. «(oxiranylmethyl-o-(oxiranylmethoxy)poly(oxymethyl-1,2-ethanediyl)). (alternative name: epichlorohydrin-polypropylene glycol) (CAS Reg. No. 1468-81-5). 7,2-('oxybis(methyl-2,1-ethanediyl)-oxymethylene]bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 1468-81-3). 7,2-('oxybis(methyl-2,1-ethanediyl)-oxymethylene]bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 1468-81-3). 7,0-(xydiethylene-benzothiazole. Pentaerythriol ester of maleic anhydride. Pentaerythriol ester of maleic anhydride. Pentaerythriol ester of maleic anhydride. Pentaerythriol tetraberozate (CAS Registry No. 4196-86-5). Pentaerythriol tetraberozate (CAS Registry No. 4196-86-6). 2,4-Pentaendione. Pentaerythriol tetraberozate (CAS Registry No. 4196-86-6). Pentaerythriol tetraberozate (CAS Registry No. 4196-86-6). Pentaerythriol tetraberozate (CAS Registry No. 4196-86-6). Pentaerythriol extraberozate (CAS Registry No. 4196-86-6). Pertoleum hydrocarbon resin (produced by the catalytic polymerization and subsequent hydrogenation of styrene, viryllouene, and indene types from distillates of cracked petroleum hydrocarb		
is a propylene trimer isomer) with an average of 1–40 moles of ethylene oxide. α-(p-Nonylphenyl)-omega-hydroxypopy (oxyethylene) sulfate, ammonium salt: the nonyl group is a propylene trimer isomer and the poly (oxyethylene) content averages 9 or 30 moles. endo-cis-5-Notomene-2-3-claerboxylic anhydride. α-cis-9-Octadecenyl-omega-hydroxypoby (oxyethylene); the octadecenyl group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles. Octadecenyl group is derived from oleyl alcohol. Octyldecenyl phylogenesis of cytiplenesy content averages 20 moles. Octadecenyl group is derived from oleyl alcohol. Octylephenoxypohyethoxy-polypropoxyethanols. Octylphenoxypohyethoxy-polypropoxyethanol. Octylphenoxypohyethoxy-polypropoxyethanol (13 moles of ethylene oxide and propylene oxide). Oddress light petroleum hydrocarbons. Oleamide (oleic acid amide). Oleic acid, sulfated. 2,2'-Oxamidobis[ethyl hydroxyphenylpropionate] (CAS Reg. No. 70331-94–1). Oxazoline. α-(oxiranylmethyl)-α-(oxiranylmethoxy)poly(oxy(methyl-1,2-ethanediyl)), (alternative name: epichlorohydrin-polypropylene glycol) (CAS Reg. No. 2462-30–3). 2,2'-(oxybisi(methyl-21-ethanediyl)-α-(oxymethylene)]bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 2462-30–3). Poxydiethylene-benzothiazole. Partaffir (C ₁ -C ₂₀) sulforate. Paraformaldehyde. Pentacrythritol tetraberozate [CAS Registry No. 4196–86–5]. Pentaerythritol tetraberozate [CAS Registry No. 4196–86–6]. Pentaerythritol te		
of ethylene oxide. "(c/Ponlyphenyl)-omega-hydroxypoly (oxyethylene) sulfate, ammonium salt: the nonyl group is a propylene trimer isomer and the poly (oxyethylene) content averages 9 or 30 moles. endo-cis-5-Nothornene-2,3-dicarboxylic anhydride. "cis-9-Octadecenyl-omega-hydroxypoly (oxyethylene); the octadecenyl group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles. Octadecyl 3,5-di-tert-butyl-4-hydroxyhydrocinnamate. Octyl alcohol. Octyldeoryl phthalate. Octylphenoxypolyethoxy-polypropoxyethanol (13 moles of ethylene oxide and propylene oxide). Oderives light petroleum hydrocarbons. Odermide (oleic acid amide). Odermide (oleic acid amide). Oleic acid, sulfated. 2,2-Oxamidobis[ethyl] 3-(3,5-di-tert-butyl-4-hydroxyphenyl)proplonate] (CAS Reg. No. 70331-94-1). Oxazoline. «(oxiranylmethyl)-o-(oxiranylmethoxy)poly(oxymethyl-1,2-ethanediyl)). «(alternative name: epichlorohydrin-polyproplene glycol) (CAS Reg. No. 1468-81-5). Alg-Yoxybis[methyl-2,1-ethanediyl)-oxymethylene]bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 1468-81-3). Alg-Yoxybis[methyl-2,1-ethanediyl)-oxymethylene]bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 1468-81-3). Alg-Yoxybis[methyl-2,1-ethanediyl)-oxymethylene]bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 1460-81-2). Paraformaldehyde. Pentaerythriot letraserate (CAS Reg. No. 140-01-2). Al-Pentaerythriot letraserate (CAS Reg. No. 140-01-2). Perchloroethylene. Pentaerythriot letraserate (Paraformaldehyde. Pertoleum hydrocar		
α-(p-Nonlyphenyl)-omega-hydroxypoly (cxyethylene) sulfate, ammonium salt: the nonly group is a propylene trimer isomer and the poly (oxyethylene) content averages 9 or 30 moles. endo-cis-5-Notomene-2, 3-dicarboxylic anhydride. α-cis-9-Octadecenyl-omega-hydroxypoly (oxyethylene); the octadecenyl group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles. Octadecyl 3,5-di-fert-butyl-4-hydroxyhydrocimnamate. Octyl alcohol. Octyl plenool. Octylphenoxyethanols. Octylphenoxypethanols. Octylphenoxypethanols. Oddress light petroleum hydrocarbons. Oleic acid, sulfated. 2,2'-Oxamidobis[ethyl yellowing petroleum hydrocarbons. 3-(3,5-di-fert-butyl-4-hydroxyphenyl)propionate] (CAS Reg. No. 70331-94-1). Oxazoline. *(-oxiranylmethyl)-o-(oxiranylmethoxy)poly(oxy(methyl-1,2-ethanedyl)). (alternative name: epichiorohydrin-polypropylene glycol) (CAS Reg. No. 2416-38-3). *2-2'-(oxybis[(methyl-2,1-ethanedyl))-o-yoxmethylene glycol) (CAS Reg. No. 2416-38-13-5). *Polydiethylene-benzchiazole. *Paraffin (C ₁₂ *C ₂₃) sullonate. *Paraffornotic tester of maleic anhydride. *Pentaerythritol testrastearate. *2.4-Pentaendrone. **2.4-Pentaendone. **Pentaerythritol testrastearate. *2.4-Pentaendrone. **2.4-Pentaendone. **Pentroleum hydrocarbon resin (produced by the catalytic polymerization and subsequent hydrogenation of styrenery		
ammonium salt: the nonyl group is a propylene trimer isomer and the poly (oxyethylene) content averages 9 or 30 moles. endo-cis-5-Norbormene-2,3-dicarboxylic anhydride. ac-cis-9-Octadecenyl-omega-hydroxypoly (oxyethylene); the octadecenyl group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles. Octyleheory group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles. Octyleheory-polyperpoxyethanol (13 moles of ethylene oxide and propylene oxide). Octylehenoxyethanols. Octylehenoxyethanols. Octylehenoxyethanols. Octylehenoxyethanols. Octyleheoxyethanols. Octyleheoxyethylene) (13 moles of ethylene oxide and propylene oxide). Odorless light petroleum hydrocarbons. Oleamide (olicic acid amide). Oleic acid, sulfated. 22-Oxamidobis[ethyl acid. amide). Oxazoline. acid. sulfated. 22-Oxapis[ethyleheo-benzothiazole. Palmiamide (palmitic acid amide). Paraffin (C _{1-C} O ₃) sulfonate. Pentacythritol tetrastearate. 24-Pentanedione. Pentacythr		
and the poly (oxyethylene) content averages 9 or 30 moles. endo-cis-5-Notomene-2, 3-dicarboxylic anhydride. ar-60-Octadecenyl-omega-hydroxypoly (oxyethylene); the octadecenyl group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles. Octadecyl 3,5-di-ferf-butyl-4-hydroxyhydrocinnamate. Octyl alcohol. Octyldecyl phthalate. Octylphenoxypolyethoxy-polypropoxyethanol (13 moles of ethylene oxide and propylene oxide). Oddress light petroleum hydrocarbons. Oleamaide (oleic acid amide). Oleic acid, sulfated. 2,2-Oxamidobis[ethyl 3-4,5-di-terf-butyl-4-hydroxyphenyl)propionate] (CAS Reg. No. 70331–94-1). Oxazoline. ar-(axiranylmethyl)-a-(oxiranylmethoxy)poly[oxy(methyl-1,2-ethaneidyl)], (alternative name: epichlorohydrin-polypropylene glycol) (CAS Reg. No. 26142–30-3). 2,2-'(oxybis[methyl-2,1-ethaneidyl)-oxymethylene][bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 1638–13-5). n-Oxydiethylene-benzothiazole. Paraffin (C ₁ -O _{xy}) sulfonate. Pentaerythritol tetraberazea (CAS Registry No. 4196–86–5]. Perchloroethylene. Petrolatum. Petroleum hydrocarbon resin (cyclopentadiene type), hydrogenation and subsequent hydrogenation of styrene, vinytoluene, and indene types from distillates of cracked petroleum stocks). Petroleum hydrocarbon resins (produced by the catalytic polymerization and subsequent hydrogenation of styrene, vinytoluene, and indene types from distillates of cracked petroleum stocks).		
a. c.ics-O-Citadecenyl-omega-hydroxypoly (oxyethylene); the octadecenyl group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles. Octadecyl 3.5-di-eir-butyl-4-hydroxyhydrocinnamate. Octyl alcohol. Octylphenoxyethanols. Octylphenoxyethanols. Octylphenoxypolyethoxy-polypropoxyethanol (13 moles of ethylene oxide and propylene oxide). Odorless light petroleum hydrocarbons. Olea acid. suifated. 2,2'-Oxamidobis[ethyl 3-(3.5-di-terr-butyl-4-hydroxyphenyl)propionate] (CAS Reg. No. 70331–94–1). Oxazoline. α-(oxiranylmethyl)-α-(oxiranylmethoxy)poly(oxy(methyl-1,2-ethanediyl)], (alternative name: epichlorohydrin-polypropylene glycol) (CAS Reg. No. 26142–30–3). 2,2'-[oxybis[methyl-2,-ethanediyl)-oxymethylene][bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 14638–13–5). n-Oxydiethylene-benzothiazole. Palmitamide (palmitic acid amide). Parafin (C ₁₋₂ C ₂₀) sulfonate. Pentaerythritol tetrastearate. 2,4-Pentanedione. Pentaerythritol tetrastearate (CAS Reg. No. 140–01–2). Pentaerythritol tetrastearate (CAS Reg. No. 140–01–2). Perchioroethylene. Pentaedione diethylenetriaminepentaacetate (CAS Reg. No. 140–01–2). Perchioroethylene. Pertoleum hydrocarbon resin (produced by the catalytic polymerization and subsequent hydrogenation of styrene, vinytloluene, and indene types from distillates of cracked petroleum stocks). Petroleum hydrocarbon resins (produced by the homo-and copolymerization of dienes and olefins of the aliphate, alicyclic, and monobenzenoid anytalkene types from distillates of cracked petroleum stocks). For use as preservative only.		
octadecenyl group is derived from oleyl alcohol and the poly (oxyethylene) content averages 20 moles. Octadecyl 3,5-di-ferf-butyl-4-hydroxyhydrocinnamate. Octylphenol, Octylphenoxyethanols. Octylethylen-betrabyl-develophylenoxyethylenelylenoxyethylenelylenoxyethylenelylenoxyethylenelylenoxyethylenelylenoxyethylenelylenoxyethylenelylenoxyethylenoxye		
(oxyethylene) content averages 20 moles. Octadeoty 3.5-di-tert-butyl-4-hydroxyhydrocinnamate. Octyl alcohol. Octylphenoxy phalate. Octylphenoxypolyethoxy-polypropoxyethanol (13 moles of ethylene oxide and propylene oxide). Odorless light petroleum hydrocarbons. Oleamide (oleic acid amide). Oleic acid, sulfated. 2,2'-Oxamidobis[ethyl Jo-(oxiranylmethyl-o-(oxiranylmethoxy)polyloxy(methyl-1,2-ethanediyl)], (alternative name: epichlorohydrin-polypropylene glycol) (CAS Reg. No. 26142–30–3). 2,2'-[oxybig/methyl-2,-ethanediyl), (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 26182–30–3). 7.0-xydiethylene-benzothiazole. Partaffin (C ₁₂ -C ₃₀) sulfonate. Paraffin (C ₁₂ -C ₃₀) sulfonate. Paraffin (C ₁₂ -C ₃₀) sulfonate. Pentaeythritol ester of maleic anhydride. Pentaeythritol tetrastearete. 2,4-Pentanedione. Pentaeythritol tetrastearate. 2,4-Pentanedione Pentaesothiom diethylenetriaminepentaacetate (CAS Reg. No. 140–01–2). Perchloroethylene. Petrolatum. Petroleum hydrocarbon resin (cyclopentadiene type), hydrogenated. Petroleum hydrocarbon resin (produced by the catalytic polymerization and subsequent hydrogenation of styrene, vinytoluene, and indene types from distillates of cracked petroleum stocks). Petroleum hydrocarbon resins (produced by the homo-and copolymerization of dienes and olefins of the allphatic, alicyclic, and monobenzenoid anytalkene types from distillates of cracked petroleum stocks). For use as preservative only.		
Octadecyl 3.5-di-ter/-butyl-4-hydroxyhydrocinnamate. Octyl alcohol. Octyldecyl phthalate. Octylphenoxyethanols. Octylphenoxyethanols. Octylphenoxyethanols. Octylphenoxyethanols. Octylphenoxyethanols. Octylphenoxyethanols. Odorless light petroleum hydrocarbons. Oleamide (oleic acid amide). Oleic acid, sulfated. 2,2-'Oxamidobis[ethyl 3-(3.5-di-ter/-butyl-4-hydroxyphenyl)propionate] (CAS Reg. No. 70331–94–1). Oxazoline. «coxiranyimethyl)-ω-(oxiranyimethoxy)poly[oxy(methyl-1,2-ethanediyl)], (alternative name: epichlorohydrin-polypropylene glycol) (CAS Reg. No. 26142–30–3). 2,2'-[Oxybis[(methyl-2,1-ethanediyl)-oxymethylene]]bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 26142–30–3)0.2xydiethylene-benzothiazole. Palmitamide (palmitic acid amide). Parafirm (C ₁₂ -C ₂₀) sulfonate. Paraformaldehyde. Pentaerythritol ester of maleic anhydride. Pentaerythritol eterastearate. 2,4-Pentanedione. Pentaerythritol eterastearate. 2,4-Pentanedione. Petroleum hydrocarbon resin (cyclopentadiene type), hydrogenated. Petroleum hydrocarbon resin (cyclopentadiene type), hydrogenated. Petroleum hydrocarbon resins (produced by the catalytic polymerization and subsequent hydrogenation of styrene, vinyitoluene, and indene types from distillates of cracked petroleum stocks). Petroleum hydrocarbon resins (produced by the homo-and copolymerization of dienes and olefins of the aliphatic, alicyclic, and monobenzenoid arylalkene types from distillates of cracked petroleum stocks). For use as preservative only.		
Octylacohol. Octylphenol. Octylphenol. Octylphenoxypolythaulate. Octylphenoxypolythaulate. Octylphenoxypolythaulate. Octylphenoxypolythoxy-polypropoxyethanol (13 moles of ethylene oxide and propylene oxide). Octylphenoxypolythoxy-polypropoxyethanol. Octylphenoxypolythoxy-polypropoxyethanol. Octylphenoxypolythoxy-polyperoxide. Octylphenoxypolythoxy-polyperoxide. Octylphenoxypolythoxy-polyperoxide. Octylphenoxypolythoxy-poly		
Octylphenoxyethanols. Octylphenoxyethanols. Octylphenoxypolyethoxy-polypropoxyethanol (13 moles of ethylene oxide and propylene oxide). Odorless light petroleum hydrocarbons. Oleamide (oleic acid amide). Oleic acid, sulfated. 2,2°-Oxamidobis[ethyl 3-(3,5-di-tert-butyl-thydroxyphenyl)propionate] (CAS Reg. No. 70331–94-1). Oxazoline. α²-(oxiranylimethyl)-ω²-(oxiranylimethoxy)poly[oxy(methyl-1-2-ethanediyl)]. (alternative name: epichlorohydrin-polypropylene glycol) (CAS Reg. No. 26142–30–3). 2,2°-[oxybis[methyl-2,1-ethanediyl]-oxymethylene]]bisoxirane, (alternative name: epichlorohydrin-dipropylene glycol) (CAS Reg. No. 41638–13–5). Oxydiethylene-benzothiazole. Palmitamide (palmitic acid amide). Parafflin (C ₁ -Z ₀)) sulfloate. Pentaerythritol seter of maleic anhydride. Pentaerythritol tertoebrazoate (CAS Registry No. 4196–86–5]. Pentaerythritol tertoebrazoate (CAS Registry N		
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cracked petroleum stocks). Phenol		
Phenol		
		For use as preservative only
Phenol-coumarone-indene resin.		. S. 355 ab properturing only.
Phenolic resins as described in § 175.300(b)(3)(vi).		
Phenothiazine	Phenothiazine	For use only as polymerization-control agent.
Phenyl-β-naphthylamine (free of β-naphthylamine).		Farmer of the control
o-Phenylphenol		For use as preservative only.

Substances	Limitations
Pimaric acid	
Pine oil.	
Piperazine.	
Piperidinium pentamethylenedithiocarbamate. Poly(acrylamide-[2-acrylamide-2-methylpropylsulfonate]-	
dimethylidiallyl ammonium chloride) sodium salt (CAS Reg.	
No. 72275-68-4).	
Polyamides derived from reaction of one or more of the fol-	
lowing acids with one or more of the following amines: Acids:	
Azelaic acid.	
Dimerized vegetable oil acids.	
Amines: Bis(hexamethylene) triamine and higher hom-	
ologues.	
Diethylenetriamine.	
Diphenylamine.	
Ethylenediamine. Hexamethylenediamine.	
Poly(oxypropylene)diamine (weight average	
molecular weight 2010) (CAS Reg. No.	
9046-10-0). Poly(oxypropylene)diamine (weight average	
molecular weight 440) (CAS Reg. No.	
9046–10–0).	
Tetraethylenepentamine.	
Triethylenetetramine. Polybutene, hydrogenated.	
Polybutylene glycol (molecular weight 1,000).	
Poly [2(diethylamino) ethyl methacrylate] phosphate.	
Polyester of adipic acid, phthalic acid, and propylene glycol, terminated with butyl alcohol.	
Polyester of diglycolic acid and propylene glycol containing	
ethylene glycol monobutyl ether as a chain stopper.	
Polyester resins (including alkyd type), as the basic polymer, formed as esters when one or more of the following acids	
are made to react with one or more of the following alcohols:	
Acids:	
Azelaic acid. Dimethyl 1,4-cyclohexanedicarboxylate (CAS	
Reg. No. 94–60–0).	
Dimethyl-5-sulfoisophthalic acid (CAS Reg.	
No. 50975–82–1) and/or its sodium salt (CAS Reg. No. 3965–55–7).	
Polybasic and monobasic acids identified in	
§ 175.300(b)(3)(vii)(a) and (b).	
5-sulfo-1,3-benzenedicarboxylic acid, mono-	
sodium salt (CAS Reg. No. 6362-79-4). Tetrahydrophthalic acid.	
Alcohols:	
1,4-Cyclohexanedimethanol.	
2,2-Dimethyl-1,3-propanediol. 1,6-Hexanediol (CAS Reg. No. 629–11–8).	
Polyhydric and monohydric alcohols identified	
in § 175.300(b)(3)(vii)(c) and (d).	
Polyethyleneadipate modified with ethanolamine with the molar ratio of the amine to the adipic acid less than 0.1 to 1.	For use only in the preparation of polyurethan resins.
Polyethylene glycol (molecular weight 200–6,000).	
Polyethylene glycol mono-isotridecyl ether sulfate, sodium salt	
(CAS Reg. No. 150413–26–6). Polyethyleneglycol alkyl(C ₁₀ -C ₁₂) ether sulfosuccinate, disodium	
salt (CAS Reg. No. 68954–91–6).	
Polyethylene, oxidized.	
Polyethylene resins, carboxyl modified, identified in § 177.1600 of this chapter.	
Polyethylenimine.	
Polyethylenimine-epichlorohydrin resins.	
Poly(ethyloxazoline) (CAS Reg. No. 25805-17-8).	
Polyisoprene. Polymeric esters of polyhydric alcohols and polycarboxylic	
acids prepared from glycerin and phthalic anhydride and	
modified with benzoic acid, castor oil, coconut oil, linseed oil, rosin, soybean oil, styrene, and vinyl toluene.	
rosiii, soybeati oii, styretie, and viityi toldetie.	1

Substances	Limitations
olymers: Homopolymers and copolymers of the following	
monomers:.	
Acrylamide.	
Acrylic acid.	
Acrylonitrile.	
Allylmethacrylate (CAS Reg. No. 00096–05–09).	
Butadiene. Butene.	
N-tert-Butylacrylamide.	
Butyl acrylate.	
1,3-Butylene glycol dimethacrylate.	
Butyl methacrylate.	
Crotonic acid.	
Decyl acrylate.	
Diallyl fumarate.	
Diallyl maleate.	
Diallyl phthalate.	
Dibutyl fumarate.	
Dibutyl itaconate.	
Dibutyl maleate.	
Di(2-ethylhexyl) maleate. Dimethyl- α -methylstyrene.	
Dioctyl fumarate.	
Dioctyl maleate.	
Divinylbenzene.	
Ethyl acrylate.	
Ethylene.	
Ethylene cyanohydrin.	
2-Ethylhexyl acrylate.	
Ethyl methacrylate.	
Fatty acids, \hat{C}_{10-13} -branched, vinyl esters (CAS Reg. No. 184785–38–4).	
Fumaric acid and/or its methyl, ethyl, propyl, butyl, amyl hexyl, heptyl and octyl esters.	
Glycidyl methacrylate.	
1-Hexene (CAS Reg. No. 592-41-6).	
2-Hydroxyethyl acrylate.	
2-Hydroxyethyl methacrylate.	
2-Hydroxypropyl methacrylate. Isobutyl acrylate.	
Isobutylene.	
Itaconic acid.	
Maleic acid, diester with 2-hydroxyethanesulfonic acid, so-	
dium salt.	
Maleic anhydride.	
Methacrylic acid.	
Methyl acrylate.	
N,N'-Methylenebisacrylamide.	
Methyl methacrylate.	
N-Methylolacrylamide.	
Methyl styrene.	
-Methyl styrene.	
Monoethyl maleate. Monomethyl maleate.	
Mono (2-ethylhexyl) maleate.	
5-Norbornene-2 3-dicarboxylic acid, mono- <i>n</i> -butyl ester.	
1-Octene (CAS Reg. No. 111–66–0).	
Propyl acrylate.	
Propylene.	
Styrene.	
Triallyl cyanurate.	
Vinyl acetate.	
Vinyl alcohol (from alcoholysis or hydrolysis of vinyl acetate units).	
Vinyl butyrate.	
Vinyl chloride.	
Vinyl crotonate.	
Vinyl ethyl ether.	
Vinyl hexoate.	
Vinylidene chloride.	
Vinyl methyl ether.	
Vinyl pelargonate.	
	T. Control of the Con
Vinyl propionate. Vinyl pyrrolidone.	

Substances	Limitations
Vinyl stearate.	
Polyoxyalkylated-phenolic resin (phenolic resin obtained from formaldehyde plus butyl- and/or amylphenols, oxyalkylated with ethylene oxide and/or propylene oxide).	
Poly(oxycaproyl) diols and triols (minimum molecular weight 500).	
Polyoxyethylated (40 moles) tallow alcohol sulfate, sodium salt. Polyoxyethylene (20 mol)—anhydrous lanolin adduct.	
Polyoxyethylene (molecular weight 200) dibenzoate. Polyoxyethylene (molecular weight 200–600) esters of fatty acids derived from animal or vegetable fats and oils (includ-	
ing tall oil). Polyoxyethylene (15 moles) ester of rosin.	
Polyoxyethylene (4–5 moles) ether of phenol. Polyoxyethylene (25 moles)—glycerol adduct.	
Polyoxyethylene (40 moles) stearate. Polyoxyethylene (5–15 moles) tridecyl alcohol.	
Polyoxypropylene (3 moles) tridecyl alcohol sulfate. Polyoxypropylene (20 moles) butyl ether.	
Polyoxypropylene (40 moles) butyl ether. Polyoxypropylene (20 moles) oleate butyl ether.	
Polyoxypropylene-polyoxyethylene condensate (minimum mo- lecular weight 1,900).	
Polypropylene glycol (minimum molecular weight 150). Polypropylene glycol (3–4 moles) triether with 2-ethyl-2- (hydroxymethyl)-1,3-propane-diol, average molecular weight 730.	
Polypropylene glycol dibenzoate (CAS Reg. No. 72245-46-6)	For use as a plasticizer at levels not to exceed 20 percent weight of the finished adhesive.
Polypropylene, noncrystalline. Polysiloxanes:	
Diethyl polysiloxane. Dihydrogen polysiloxane.	
Dimethyl polysiloxane. Diphenyl polysiloxane.	
Ethyl hydrogen polysiloxane. Ethyl phenyl polysiloxane.	
Methyl ethyl polysiloxane. Methyl hydrogen polysiloxane.	
Methyl phenyl polysiloxane. Phenyl hydrogen polysiloxane. Polysorbate 60.	
Polysorbate 80. Polysorbate 80. Polysorbate 20 (polyoxyethylene (20) sorbitan monolaurate).	
Polysorbate 40 (polyoxyethylene (20) sorbitan monopalmitate). Polysorbate 40 (polyoxyethylene (20) sorbitan monopalmitate). Poly[styrene-co-disodium maleate-co-α-(p-nonyl-phenyl)-	
omega-(p-vinyl-benzyl)poly(oxyethylene)] terpolymer. Polytretrafluoroethylene.	
Polyurethane resins produced by: (1) reacting disocyanates with one or more of the polyols or polyesters named in this	
paragraph, or (2) reacting the chloroformate derivatives of one or more of the polyols or polyesters named in this para-	
graph with one or more of the polyamines named in this paragraph, or (3) reacting toluene diisocyanate or 4,4'	
methylenebis(cyclohexylisocyanate) (CAS Reg. No. 5124–30–1) with: (i) one or more of the polyols or polyesters	
named in this paragraph and with either <i>N</i> -methyldiethanolamine (CAS Reg. No. 105–59–9) and dimethyl sulfate (CAS Reg. No. 77–78–1) or	
dimethylolpropionic acid (CAS Reg. No. 4767–03–7) and triethylamine (CAS Reg. No. 121–44–8), or (ii) a fumaric	
acid-modified polypropylene glycol or fumaric acid-modified tripropylene glycol), triethylamine (CAS Reg. No. 107-15-3),	
and ethylenediamine (CAS Reg. No. 121–44–8), or (4) reacting meta-tetramethylxylene diisocyanate (CAS Reg. No.	
2778–42–9) with one or more of the polyols and polyesters listed in this paragraph and with dimethylolpropionic acid	
(CAS Reg. No. 4767–03–7) and triethylamine (CAS Reg. No. 121–44–8), <i>N</i> -methyldiethanolamine (CAS Reg. No. 105–59–9), 2–dimethylaminoethanol (CAS Reg. No. 108–01–0), 2–	
9), 2-dimetnylaminoetnanoi (CAS Heg. No. 108–01–0), 2-dimethylamino–2-methyl–1-propanoi (CAS Reg. No. 7005–47–2), and/or 2-amino–2-methyl–1-propanoi (CAS Reg. No.	

Substances	Limitations
Polyvinyl alcohol modified so as to contain not more than 3 weight percent of comonomer units derived from 1-alkenes having 12 to 20 carbon atoms. Polyvinyl butyral.	
Polyvinyl formal. Potassium ferricyanide	For use only as polymerization-control agent.
Potassium N-methyldithiocarbamate. Potassium pentachlorophenate	For use as preservative only.
Potassium permanganate. Potassium persulfate. Potassium phosphates (mono-, di-, tribasic).	Tot doe de presentante only.
Potassium tripolyphosphate. α , α' , α'' -1,2,3-Propanetriyltris [$omega$ -(2,3-epoxypropoxy) poly (oxypropylene) (24 moles)]. B-Propiolactone.	
Propyl alcohol (propanol).	
Propylene carbonate. Propylene glycol and <i>p-p'</i> -isopropylidenediphenol diether. Propylene glycol dibenzoate (CAS Reg. No. 19224–26–1)	For use as a plasticizer at levels not to exceed 20 percent by weight of the finished adhesive.
Propylene glycol esters of coconut fatty acids. Propylene glycol monolaurate. Propylene glycol monomethyl ether. Propylene glycol monostearate.	
α , α' , α'' -[Propylidynetris (methylene)] tris [omega-hydroxypoly (oxypropylene) (1.5 moles minimum)], minimum molecular weight 400.	
Quaternary ammonium chloride (hexadecyl, octadecyl derivative).	For use as preservative only.
Rosin (wood, gum, and tall oil rosin), rosin dimers, decarboxylated rosin (including rosin oil, disproportionated rosin, and these substances as modified by one or more of the following reactants:. Alkyl (C ₁ -C ₉) phenolformaldehyde.	
Ammonia. Ammonium caseinate- <i>p</i> -Cyclohexylphenolformaldehyde. Diethylene glycol. Dipentaerythritol.	
Ethylene glycol. Formaldehyde. Fumaric acid.	
Glycerin. Hydrogen. Leophtholia caid	
Isophthalic acid. 4,4'-Isopropylidenediphenol-epichlorohydrin (epoxy). 4,4'-Isopropylidenediphenol-formaldehyde.	
Maleic anhydride. Methyl alcohol. Pentaerythritol.	
Phthalic anhydride. Polyethylene glycol. Phenol-formaldehyde.	
Phenyl μ -cresol-formaldehyde. p-Phenylphenol-formaldehyde.	
Sulfuric acid. Triethylene glycol. Xylenol-formaldehyde.	
Rosin salts (salts of wood, gum, and tall oil rosin, and the dimers thereof, decarboxylated rosin disproportionated rosin,	
hydrogenated rosin): Aluminum. Ammonium.	
Calcium. Magnesium.	
Potassium. Sodium. Zinc.	
Rosin, gasoline-insoluble fraction. Rubber hydrochloride polymer.	
Rubber latex, natural. Salicylic acidSandarac.	For use as preservative only.
Sebacic acid. Shellac.	

Substances	Limitations
Silicon dioxide as defined in § 172.480(a) of this chapter.	
Sodium alkyl (C ₂ -C _{13.5} aliphatic) benezenesulfonate.	
Sodium aluminum pyrophosphate.	
Sodium aluminum sulfate. Sodium bisulfate.	
Sodium calcium silicate.	
Sodium capryl polyphosphate.	
Sodium carboxymethylcellulose.	
Sodium chlorate.	
Sodium chlorite.	
Sodium chromate.	
Sodium decylsulfate.	
Sodium dehydroacetate	For use as preservative only.
Sodium di-(2-ethylhexoate).	
Sodium di-(2-ethylhexyl) pyrophosphate.	
Sodium dihexylsulfosuccinate. Sodium dissobutylphenoxydiethoxyethyl sulfonate.	
Sodium disobutylphenoxymonoethoxyethyl sulfonate.	
Sodium diisopropyl- and triisopropylnaphthalenesulfonate.	
Sodium dimethyldithiocarbamate.	
Sodium dioctylsulfosuccinate.	
Sodium <i>n</i> -dodecylpolyethoxy (50 moles) sulfate.	
Sodium ethylene ether of nonylphenol sulfate.	
Sodium 2-ethylhexyl sulfate.	
Sodium fluoride	For use only as bonding agent for aluminum foil, stabilizer, or
	preservative. Total fluoride for all sources not to exceed 1
Codium formaldohyda aulfavylata	percent by weight of the finished adhesive.
Sodium formaldehyde sulfoxylate. Sodium formate.	
Sodium heptadecylsulfate.	
Sodium hypochlorite.	
Sodium isododecylphenoxypolyethoxy (40 moles) sulfate.	
Sodium N-lauroyl sarcosinate.	
Sodium metaborate.	
Sodium α-naphthalene sulfonate.	
Sodium nitrate.	
Sodium nitrite.	
Sodium oleoyl isopropanolamide sulfosuccinate.	For use as presentative only
Sodium pentachlorophenate	For use as preservative only.
Sodium persulfate.	
Sodium µ-phenylphenate	For use as preservative only.
Sodium polyacrylate.	To acc ac procervative only.
Sodium polymethacrylate.	
Sodium polystyrene sulfonate.	
Sodium salicylate	For use as preservative only.
Sodium salt of 1-hydroxy 2(1H)-pyridine thione	Do.
Sodium tetradecylsulfate.	
Sodium thiocyanate.	
Sodium bis-tridecylsulfosuccinate.	
Sodium xylene sulfonate.	
Sorbitan monooleate. Sorbitan monostearate.	
Soybean oil, epoxidized.	
Spermaceti wax.	
Sperm oil wax.	
Stannous 2-ethylhexanoate	For use only as a catalyst for polyurethane resins.
Stannous stearate.	· · · · · · · · · · · · · · · · · · ·
Starch hydrolysates.	
Starch or starch modified by one or more of the treatments de-	
scribed in §§ 172.892 and 178.3520 of this chapter.	
Starch, reacted with a urea-formaldehyde resin.	
Starch, reacted with formaldehyde.	
Stearamide (stearic acid amide).	
Stearic acid.	
Stearic acid-chromic chloride complex. Stearyl-cetyl alcohol, technical grade, approximately 65 per-	
cent_80 percent stearyl and 20 percent_35 percent cetyl.	
Strontium salicylate.	
Styrenated phenol.	
Styrene block polymers with 1,3-butadiene.	
Styrene-maleic anhydride copolymer, ammonium or potassium	
Styrene-maleic annyunue copolymer, ammonium or potassium	
salt.	

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Substances	Limitations
Styrene-methacrylic acid copolymer, potassium salt. Sucrose acetate isobutyrate. Sucrose benzoate.	
Sucrose octaacetate. 2–sulfoethyl methacrylate (CAS Registry No. 10595–80–9)	
ar-Sulfo-omega-(dodecyloxy)poly (oxyethylene), ammonium salt. Sulfonated octadecylene (sodium form). Sulfosuccinic acid 4-ester with polyethylene glycol dodecyl ether disodium salt (alcohol moiety produced by condensation of 1 mole of n-dodecyl alcohol and an average of 5-6 moles of ethylene oxide, Chemical Abstracts Service Registry No. 039354-45-5). Sulfosuccinic acid 4-ester with polyethylene glycol nonylphenyl ether, disodium salt (alcohol moiety produced by condensation of 1 mole of nonylphenol and an average of 9-10 moles of ethylene oxide) (CAS Reg. No. 9040-38-4). Sulfur. Synthetic primary linear aliphatic alcohols whose weight average molecular weight is greater than 400 (CAS Reg. No. 71750-71-5). Synthetic wax polymer as described in §176.170(a)(5) of this chapter. Tall oil. Tall oil fatty acids, linoleic and oleic. Tall oil fatty acid methyl ester. Tall oil pitch. Tall oil soaps. Tallow amine, secondary (hexadecyl, octadecyl), of hard tallow.	For use at levels not to exceed 2 percent by weight of the dry adhesive.
Tallow, blown (oxidized). Tallow, propylene glycol ester. Terpene resins (α-and β-pinene) homopolymers, copolymers, and condensates with phenol, formaldehyde, coumarone, and/or indene. Terphenyl.	
Terphenyl, hydrogenated.	
Terpineol. Tetraethylene pentamine.	
Tetraethylthiuram disulfide.	
Tetrahydrofuran. Tetrahydrofurfuryl alcohol.	
Tetra-isopropyl titanate. Tetrakis[methylene (3,5-di- <i>tert</i> -butyl-4-hydroxy-hydro-cinnamate)] methane.	
A[p-{1,1,3,3-Tetramethylbutyl) phenyl]-omega-hydroxypoly-(oxyethylene) produced by the condensation of 1 mole of p-(1,1,3,3-tetramethylbutyl) phenol with an average of 1–40 moles of ethylene oxide.	
A-[p-(1,1,3,3-Tetramethylbutyl) phenyl]-omega-hydroxy-poly(oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate esters and their sodium, potassium, and ammonium salts having a poly(oxyethylene) content averaging 6-9 or 40 moles. Tetramethyl decanediol.	
Tetramethyl decynediol. Tetramethyl decynediol plus 1–30 moles of ethylene oxide.	
Tetramethylthiuram monosulfide. Tetrasodium	
octadecylsulfosuccinamate. 4,4'-Thiobis-6-tert-butyl-m-crosol. Thiodiethylene-bis(3,5-di-tert-butyl-4-hydroxyhydrocinnamate). 2,2'-(2,5-Thiophenediyl) bis[5-tert-butylbenzoxazole].	
Thiram. Thymol	For use as preservative only.
Titanium dioxide.	, , , , , ,
Titanium dioxide-barium sulfate. Titanium dioxide-calcium sulfate. Titanium dioxide-magnesium silicate. Toluene.	
Toluene 2,4-diisocyanate. Toluene 2,6-diisocyanate. o- and p-Toluene ethyl sulfonamide.	

Substances	Limitations
o- and p-Toluene sulfonamide.	
p-Toluene sulfonic acid.	
p-(p'-Toluene-sulfonylamide)-diphenylamide.	
Triazine-formaldehyde resins as described in	
§ 175.300(b)(3)(xiii).	
Tributoxyethyl phosphate.	
Tributylcitrate.	
Tri-tert-butyl-p-phenyl phenol	For use as preservative only.
Tributyl phosphate.	
Tributyltin chloride complex of ethylene oxide condensate of	For use as preservative only.
dehydroabietylamine.	For use as presentative only
Tri-n-butyltin acetate	For use as preservative only.
Tri-n-butyltin neodecanoate	Do.
1,1,2-Trichloroethane.	
Trichloroethylene.	
Tri-β-chloroethylphosphate.	
Tridecyl alcohol.	
Triethanolamine.	
3-(Triethoxysilyl) propylamine.	
Triethylene glycol.	
Triethylene glycol dibenzoate.	
Triethylene glycol di(2-ethylhexoate).	
Triethylene glycol polyester of benzoic acid and phthalic acid.	
Triethylhexyl phosphate.	
Triethylphosphate.	
2,4,5-Trihydroxy butyrophenone.	
Triisopropanolamine.	
Trimethylol propane.	
2,2,4-Trimethylpentanediol-1,3-diisobutyrate.	
Trimeric aromatic amine resin from diphenylamine and acetone	
of molecular weight approximately 500. Tri(nonylphenyl) phosphite-formaldehyde resins	As identified in \$177.0000(a)(4)(iii) of this shouter. For use
Tri(floriyipheriyi) priospriite-iornalderiyde resiris	As identified in §177.2600(c)(4)(iii) of this chapter. For use only as a stabilizer.
Triphenylphosphate.	Only as a stabilizer.
Tripropylene glycol monomethyl ether.	
1,3,5-Tris (3,5-di- <i>tert</i> -butyl-4-hydroxy-benzyl)-triazine-2,4,6	
(1H,3H,5H)-trione.	
Tris (p-tertiary butyl phenyl) phosphate.	
Tris(2-methyl-4-hydroxy-5-tert-butyl-phenyl)butane.	
Trisodium N-hydroxyethylethylenediaminetriacetate (CAS Reg.	
No. 139–89–9).	
Turpentine.	
Urea-formaldehyde resins as described in § 175.300(b)(3)(xii).	
Vegetable oil, sulfonated or sulfated, potassium salt.	
Vinyl acetate-maleic anhydride copolymer, sodium salt.	
Waxes, petroleum.	
Wax, petroleum, chlorinated (40% to 70% chlorine).	
Waxes, synthetic paraffin (Fischer-Tropsch process).	
3-(2-Xenolyl)-1,2-epoxypropane.	
Xylene.	
Xylene (or toluene) alkylated with dicyclopentadiene. Zein.	
Zinc acetate.	
Zinc adetate. Zinc ammonium chloride.	
Zinc dibenzyl dithiocarbamate.	
Zinc dibutyldithiocarbamate.	
Zinc diethyldithiocarbamate.	
Zinc di(2-ethylhexoate).	
Zinc formaldehyde sulfoxylate.	
Zinc naphthenate and dehydroabietylamine mixture.	
Zinc nitrate.	
Zinc orthophosphate.	
Zinc resinate.	
Zinc sulfide.	
Zineb (zinc ethylenebis-dithiocarbamate).	
Ziram (zinc dimethyldithiocarbamate).	I

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EDITORIAL NOTE: For FEDERAL REGISTER citations affecting $\S175.105$, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.